

**EXHIBIT A
AUGUST 2012**

**DARPA GRANT GENERAL TERMS AND CONDITIONS
FOR INSTITUTIONS OF HIGHER EDUCATION**

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1. Federal Requirements: This Grant is subject to the laws and regulations of the United States. If any statute expressly prescribes policies or specific requirements that differ from the requirements, standards, provisions, or terms and conditions of this Grant, the provisions of the statute shall govern.

2. Order of Precedence: Any inconsistency or conflict in the terms and conditions specified in this Grant shall be resolved according to the following order of precedence:

(a) The Grant Schedule

(b) These Terms and Conditions

3. Research Responsibility:

(a) The Grantee has full responsibility for the conduct of the research activity supported by this Grant, in accordance with the Grantee's proposal, and the terms and conditions specified in this Grant. Grantees are encouraged to suggest or propose to discontinue or modify unpromising lines of investigation or to explore interesting leads which may appear during the development of the research. However, they must consult the Grants Officer's Representative (GOR) through the Administrative Grants Officer (AGO) before significantly deviating from the objectives or overall program of the research originally proposed.

(b) The Grantee shall immediately notify the Grants Officer of developments that have a significant impact on the award-supported activities. Also, notification shall be given in the case of problems, delays, or adverse conditions which materially impair the ability to meet the objectives of the award. This notification shall include a statement of the action taken or contemplated, and any assistance needed to resolve the situation.

4. Amendment of Grant: The only method by which this Grant can be amended is by a formal, written amendment signed by either the Grants Officer or the AGO. No other communications, whether oral or in writing, are valid.

5. Standards for Financial Management Systems: The Grantee's financial management system shall comply with the standards set forth in DoDGARs §32.21.

6. Payments

(a) Submitting Payments Through Wide Area Work Flow (WAWF)

(1). All payments shall be made by funds transfers to the bank account registered in the System for Award Management (SAM), <http://www.sam.gov>. The Grantee agrees to maintain its registration in SAM including information necessary to facilitate payment via Electronic Funds Transfer (EFT). Should a change in registry or other incident necessitate the payment to an account other than that maintained in SAM, it is the Grantee's responsibility to notify the AGO and obtain a modification to this Grant reflecting the change. The Government shall not be held responsible for any misdirection or loss of payment which occurs as the result of a Grantee's failure to maintain correct/current EFT information within its SAM registration.

(2) Any request for advance payments must be approved by the Administrative Grants Officer (AGO) at the Administrative Office designated in the Grant award document.

(3) Wide Area Work Flow (WAWF) has been designated as the Department of Defense standard for electronic invoicing and payment. To facilitate this effort for Universities and Nonprofit Organizations with awards administered by the Office of Naval Research (ONR) Regional Offices, DoD has established the ONR Electronic Payment System (PayWeb) <https://services2.onr.navy.mil/http/onrexsvr09.onr.navy.mil:7777/payweb/PayWeb.jsp> as an initial entry point to WAWF. If the Grantee participates in the PayWeb system, the Grantee shall submit an electronic request for payment to the Administrative Grants Officer (AGO) designated in the Grant award document, using the standard PayWeb processes.

(4) Participation in the PayWeb system requires the Grantee to obtain an External Certificate Authority (ECA) certificate from an approved Certificate Authority for access. Operational Research Consultants (ORC) (<http://www.eca.orc.com>) and VeriSign (<http://www.verisign.com/gov/ieca>) are approved ECA Authorities. If you have questions or require technical assistance in implementing your certificate, contact the Navy PKI Help Desk at 1-800-304-4636. The Grantee shall Contact the AGO at the Administrative Office designated in the Grant award document for instructions on how to register and use WAWF and PayWeb.

(5) Electronic submission of payment requests requires the Grantee to register in WAWF and have the appropriate CAGE code activated. The Grantee's SAM Electronic Business Point of Contact (EBPOC) is responsible for activating the CAGE code in WAWF by calling 1-866-618-5988. Once the Grantee's CAGE Code is activated, the SAM EBPOC will self-register in WAWF (<https://wawf.eb.mil>) and follow the instructions for a group administrator. The ONR Regional Offices will assist in this process. The ONR Regional Office is listed as the Administrative Office in the Grant award document.

(b) Advance Payment Method.

(1) Cash advances shall be limited to the minimum amounts needed and be timed to be in accordance with the Grantee's actual, immediate cash requirements in carrying out the purpose of the Grant. The timing and amount of cash advances shall be as close as is administratively feasible to the Grantee's actual disbursements for direct program costs and the proportionate share of any allowable indirect costs.

(2) Interest. The Grantee shall maintain grant funds in interest bearing accounts. Use of women-owned and minority-owned banks is encouraged. Interest earned on grant funds shall be remitted annually to the Department of Health and Human Services, Division of Payment Management, P. O. Box 6021, Rockville, MD 20852. Interest should be remitted to HHS through an electronic medium such as the FEDWIR Deposit System. A copy of each remittance shall be forwarded to the AGO. Interest amounts up to \$250.00 per year may be retained by the Grantee for administrative expenses.

(c) AGO Certification. The AGO shall not certify the Grantee's request for additional cash payments until the Grantee has first disbursed any funds available from repayments to and interest earned on a revolving fund, program income, rebates, refunds, contract settlements, audit recoveries and interest earned on such funds.

(d) Liquidation. The Grantee shall liquidate all obligations incurred under the Grant not later than 90 days after the date of completion. The Grantee shall promptly refund any balances of unobligated cash that the Government has advanced or paid and that is not authorized to be retained by the Grantee for use in other projects. The Administrative Grants Officer is authorized to make a settlement for any upward or downward adjustments to the Federal share of costs after closeout reports are received.

7. Administration and Cost Principles: Applicable to this Grant, and incorporated herein by reference, are the requirements, standards, and provisions of the appropriate Department of Defense Grant and Agreement Regulations (DoDGARs), OMB Circulars, and federal code and attachments thereto, as revised as of the effective date of this Grant, listed below. For purposes of this paragraph, the term "appropriate" is determined by the organizational nature of the Grantee (educational institution, nonprofit organization, state or local government).

(a) 32 CFR part 22, "DoD Grants and Agreements – Award and Administration"

(b) 32 CFR part 32, "Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations"

(c) 32 CFR part 33, "Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments"

(d) 2 CFR part 220, "Cost Principles for Educational Institutions" (formerly OMB Circular A-21)

(e) 2 CFR part 225, "Cost Principles for State, Local and Indian Tribal Governments" (formerly OMB Circular A-87)

(f) A-102, "Uniform Administrative Requirements for Grants and Cooperative Agreements with State and Local Governments"

(g) 2 CFR part 215, "Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Nonprofit Organizations" (formerly OMB Circular A-110)

(h) 2 CFR part 230, "Cost Principles for Non-profit Organizations" (formerly OMB Circular A-122)

(i) A-133, "Audits of States, Local Governments, and Non-Profit Organizations"

8. Program Income: Pursuant to DoDGARs §32.24(b)(3), program income earned during the project period shall be retained by the Grantee and shall be deducted from the total project or program allowable cost in determining the net allowable costs on which the Government's share of costs is based.

9. Prior Approvals:

(a) All prior approvals required by DoDGARs §32.25 are waived hereby except for the following, which shall be requested from the AGO:

(1) Change of scope or objectives as required by Article 3 of the Terms and Conditions entitled "Research Responsibility."

(2) Change of key personnel as required by Article 18 of the Terms and Conditions entitled "Principal Investigator."

(3) Extension of the expiration period of this Grant.

(4) The need for additional Federal funding.

(5) Inclusion of costs that require prior approval in accordance with OMB Circular A-21, OMB Circular A-122, Appendix E to 45 CFR part 74, or 48 CFR part 31, as applicable.

(6) The subaward, transfer, or contracting out of any work under this award, unless described in the Grantee's proposal and specifically approved and funded in the Grant Schedule. The Grantee's request for approval shall include the following supporting data:

(i) Basis for contractor selection;

(ii) Justification for lack of competition when competitive bids or offers are not obtained;

(iii) Basis for award cost or price, to include price or cost analysis performed by the Grantee; and

(iv) Approval of the GOR.

(b) Preaward Costs

(1) Grantees may incur preaward costs of up to ninety (90) days prior to the effective date of the Grant award.

(2) Preaward costs as incurred by the Grantee must be necessary for the effective and economical conduct of the project and the costs must be otherwise allowable in accordance with the appropriate cost principles.

(3) Any preaward costs are made at the Grantee's risk. The incurring of preaward costs by the Grantee does not impose any obligation on the Government, in the absence of appropriations, if an award is not subsequently made or if an award is made for a lesser amount than the Grantee expected.

(c) Unexpended Balances - In the absence of any specific notice to the contrary, Grantees are authorized to carry forward unexpended balances to subsequent funding periods.

10. Audit and Access to Records: The Grantee and its subrecipients shall be subject to the audit requirements contained in the Single Audit Act Amendments of 1996 (31 U.S.C. 7501-7507) and revised OMB Circular A-133.

The Comptroller General and the Inspector General of the Department of Defense shall have direct access to sufficient records and information of the Grantee, as they determine, to ensure full accountability for federal funds. Audit requirements shall be as set forth in OMB Circular A-133.

11. Procurement: The Grantee's systems for acquiring goods and services under this Grant shall comply with DoDGARS §32.40 through §32.49. All contracts awarded by a Grantee, including those for amounts less than the simplified acquisition threshold, shall contain the provisions set forth in Appendix A to Part 32 of the DoDGARS, as applicable.

12. Subawards and Contracts/Subcontracts:

(a) The applicable Federal cost principles for subawards and contracts/subcontracts under this Grant shall be those otherwise applicable to the type of organization receiving the subaward, contract or subcontract. In addition to 2 CFR part 220, the other applicable cost principles are:

(i) 2 CFR part 230, applicable to other nonprofit organizations, except those specifically exempted by the circular.

(ii) Subpart 31.2 of the Federal Acquisition Regulation (48 CFR 31.2), applicable to commercial firms and those nonprofit organizations specifically exempted from the provisions of 2 CFR 230.

(iii) 2 CFR part 225, for state, local and Indian Tribal governments.

(iv) 45 CFR part 74, Appendix E, for hospitals.

(b) The use of Federal funds provided by this Grant for payment of fee or profit under a "subaward," as defined in DoDGARS 22.105, is not allowable. The term "subaward" does not include the recipient's procurement of goods and services needed to carry out the program.

13. Property:

(a) Title to all nonexpendable and expendable tangible personal property purchased by the Grantee with grant funds shall be deemed to have vested in the Grantee upon purchase, unless stated otherwise in this Grant Schedule, in accordance with the provisions of Office of Management and Budget (OMB) Circular A-110, without further obligation to the Government. This property shall be used for the conduct of basic and applied research,

unless stated otherwise in this Grant schedule. Title to any federally-owned property remains vested in the Government. No real property may be acquired with Federal funds provided under this Grant.

(b) The Grantee shall manage property in accordance with DoDGARs §32.30 through §32.37. As part of the grant closeout process, the Grantee shall account for any real and personal property acquired with Federal funds or received from the Federal Government.

14. Reports and Reports Distribution: Reports shall be furnished as specified below:

(a) Report Types.

(1) Quarterly R&D Status Report - This report, due 30 days after the reporting period, shall keep the Government informed of Grantee activity and progress toward accomplishment of Grant objectives and advancement in state-of-the-art on the research and development involved.

(2) Special Technical Report - This report, due as required, shall document the results of a significant task, test, event or symposium.

(3) Final Technical Report - This report, due 90 days after expiration or termination of the Grant, shall document the results of the complete effort. It shall contain brief information on each of the following:

(i) A comparison of actual accomplishments with the goals and objectives established for the grant, the findings of the investigator, or both.

(ii) Reasons why established goals were not met, if appropriate.

(iii) Other pertinent information.

(4) Final Financial Status Report - This report, due 90 days after completion of the Grant, shall be submitted on a Standard Form 425 "Federal Financial Report (FFR)". The report shall be on a cash or accrual basis, depending on how the Grantee's accounting records are normally kept.

(5) Report of Federal Cash Transactions [*applicable only to advance payment grants*] – This report, due 15 days following the end of each quarter, shall be submitted on a Standard Form 425. The Grantee shall provide forecasts of Federal cash requirements in the "Remarks" section of the report.

(b) Report Distribution.

<u>Addresses</u>	<u>Report Types [14.(a)]</u>	<u>Number of Copies</u>
Grants Officer's Representative	1, 2, 3, 4, 5	2
DARPA Program Manager	1, 2, 3, 4, 5	1
Administrative Grants Officer	3, 4, 5	2
DARPA/Research Services	3	1
Defense Technical Information Center ATTN: DTIC-O 8725 John J. Kingman Road Ft. Belvoir, VA 22060-6218	3	2

DARPA Grants Officer

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15. Termination and Enforcement:

(a) Termination. Pursuant to DoDGARs §32.61, this Grant may be terminated, in whole or in part, by the Grants Officer if the Grantee materially fails to comply with these terms and conditions or with the consent of the Grantee. The Grantee may terminate the Grant upon sending written notification to the Grants Officer as set forth in DoDGARs §32.61(3).

(b) Enforcement. If the Grantee fails to materially comply with these terms and conditions, the Grants Officer may impose special conditions as outlined in DoDGARs §32.14 or take the appropriate action as listed at DoDGARs §32.62(a) (1) – (5).

16. Disputes, Claims, and Appeals:

(a) Disputes and Claims. The Grantee may submit a claim arising out of or relating to the Grant by submitting the claim in writing to the Grants Officer for decision. The written submission must specify the nature and basis for the relief requested and include all data that supports the claim. Within 60 calendar days, the Grants Officer shall, pursuant to DoDGARs §22.815(d), either prepare a written decision or notify the Grantee of a specific date when a decision will be rendered. The decision of the Grants Officer shall be final unless the Grantee decides to appeal.

(b) Appeals. The Grantee, under DoDGARs §22.815(e), may appeal the Grants Officer decision by filing a written notice of appeal to the Grant Appeal Authority and the Grants Officer within 90 days of receiving the decision. The Grant Appeal Authority shall decide the appeal based solely on the written record unless the Grant Appeal Authority decides to conduct a fact-finding procedure or an oral hearing on the appeal.

17. After-the-Award Requirements: Closeout, subsequent adjustments, continuing responsibilities and collection of amounts due are subject to the requirements in DoDGARs §32.71 through §32.73.

18. Principal Investigator: Support for the project may not continue without the active direction of the Principal Investigator (PI) approved for, and identified in, this Grant. If the approved PI (1) severs his or her connection with the Grantee, or (2) otherwise relinquishes active direction of the project, either permanently or for a significant length of time (three months or more), then the Grantee must either:

(a) appoint a replacement PI with the approval of the GOR, or

(b) relinquish the Grant, in which case the Grant shall be terminated in accordance with DoDGARs §32.61 entitled “Termination”.

19. Nondiscrimination: The Grantee assures that it will comply with applicable provisions of the following national policies prohibiting discrimination:

(a) Title VI of the Civil Rights Act of 1964, as amended, (42 U.S.C. 2000d, et seq.) as implemented by DoD regulations at 32 CFR part 195. Said Act, as amended, and regulations are incorporated in this Grant by reference.

(b) Title IX of the Education Amendments of 1972 (20 U.S.C. 1681, et seq.) (Educational institutions only). Said Amendments are incorporated in this Grant by reference.

(c) Age Discrimination Act of 1975 (42 U.S.C. 6101, et seq.), as implemented by Department of Health and Human Services regulations at 45 CFR Part 90. Said Act and amendments are incorporated in this Grant by reference.

(d) Rehabilitation Act of 1973 (29 U.S.C. 794) as implemented by Department of Justice regulations at 28 CFR part 41 and DoD regulations at 32 CFR part 56.

20. Live Organisms:

(a) Human Subjects. Grant funds may NOT be used for research that uses uninformed or nonvoluntary humans as experimental subjects. The Grantee is responsible for the protection of the rights and welfare of any human subjects involved in research, development, and related activities supported by this Grant. The Grantee agrees to comply with the Common Federal Policy for the Protection of Human Subjects, codified by the Department of Health and Human Services at 45 CFR part 46 implemented by the Department of Defense at 32 CFR part 219.

(b) Animal Welfare. Any Grantee performing research, experimentation, or testing involving the use of animals shall comply with the rules on animal acquisition, transport, care, handling, and use in : (i) 9 CFR parts 1-4, Department of Agriculture rules that implement the Laboratory Animal Welfare Act of 1966, as amended, (7 U.S.C. 2131-2159); and (ii) the guidelines described in National Institutes of Health Publication No. 86-23, "Guide for the Care and Use of Laboratory Animals."

21. Clean Air and Water: If the amount of the Grant exceeds \$100,000, the Grantee assures that it will comply with the applicable provisions of the Clean Air Act (42 U.S.C. 7401 et seq.), as amended and the Clean Water Act (33 U.S.C. 1251 et seq.), as implemented by Executive Order No. 11738 (3 CFR, 1971-1975 Comp. P. 799), and the related regulations of the Environmental Protection Agency (EPA) (40 CFR part 15). Said regulations, Executive Order, and Acts are incorporated in this Grant by reference.

The Grantee further agrees that it will not use any facility on the EPA's List of Violating Facilities in performing any award that is nonexempt under 40 CFR 15.5, as long as the facility remains on the list. If, in performing this award, the Grantee intends to use a facility that is on the List of Violating Facilities or that the Grantee knows has been recommended to be placed on the List of Violating Facilities, the Grantee shall notify DARPA.

22. Officials Not to Benefit: No member of or delegate to Congress, or resident commissioner, shall be admitted to any share or part of this Grant, or to any benefit arising from it, in accordance with 41 U.S.C. 22.

23. Transportation Preferences:

(a) U.S. Flag Carriers. Travel supported by U.S. Government funds under this Grant shall use U.S.-flag air carriers (air carriers holding certificates under 49 U.S.C. 41102) for international air transportation of people and property to the extent that such service is available, in accordance with the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118) and the interpretative guidelines issued by the Comptroller General of the United States in the March 31, 1981 amendment to Comptroller General's Decision B-138942. Such Act and guidelines are incorporated in this Grant by reference.

(b) Cargo Preference. The Grantee agrees that it will comply with the Cargo Preference Act of 1954 (46 U.S.C. 1241), as implemented by Department of Transportation regulations at 46 CFR 381.7 which require that at least 50 percent of equipment, materials, or commodities procure or otherwise obtained with U.S. Government funds under this Grant, and which may be transported by ocean vessel, shall be transported on privately owned U.S.-flag commercial vessels, if available.

24. Reserve Officer Training Corps and Military Recruiting on Campus (Domestic Universities Only):

As a condition for receipt of funds available to the Department of Defense (DoD) under this award, the recipient agrees that it is not an institution of higher education (as defined in 32 CFR 216) that has a policy or practice that prohibits or, in effect, prevents ROTC or military recruiting on campus, as described in DFARS 252.209-7005(b). If the recipient is determined, using the procedures in 32 CFR part 216, to be such an institution of higher education during the period of performance of this agreement, and therefore to be in breach of this clause, the Government will cease all payments of DoD funds under this agreement and all other DoD grants and cooperative agreements to the recipient, and it may suspend or terminate such grants and agreements unilaterally for material failure to comply with the terms and conditions of award.

25. Freedom of Information Act (FOIA) Access to Researcher's Data: Upon DARPA's request, pursuant to DoDGARs §32.36(d), the Grantee shall provide, within a reasonable time, research data as defined in DoDGARs §32.3(d)(2)(i).

26. Paperwork Reduction Act: This Grant shall be subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3500, et seq.) only under either of the following circumstances:

(a) The Government specifically requests the Grantee to collect information using forms, schedules, questionnaires, or other methods calling for answers to:

(1) Identical questions from ten or more persons other than agencies, instrumentalities, or employees of the United States; or

(2) Questions from agencies, instrumentalities, or employees of the United States which are to be used for statistical compilations of general public interest.

(b) The terms and conditions of this Grant require specific approval by the Government of such information collection or the collection procedures.

27. Metric System: The Grantee shall use the metric system, to the maximum extent practicable, in measurement-sensitive activities supported by this Grant and in measurement-sensitive outputs of this Grant.

28. Resource Conservation and Recovery Act: In accordance with the Resource Conservation and Recovery Act (section 6002, Pub. L. 94-580, 42 U.S.C. 6962), State and local institutions of higher education, hospitals, and non-profit organizations that receive direct Federal awards or other Federal funds shall give preference in their procurement programs funded with Federal funds to the purchase of recycled products pursuant to the guidelines developed by the Environmental Protection Agency.

29. Restrictions on Printing: Unless otherwise authorized in writing by the AGO, reports, data, or other written material produced using funds provided by this Grant and submitted hereunder shall be reproduced only by duplicating processes and shall not exceed 5,000 single page reports or a total of 25,000 pages of a multiple page report. These restrictions do not preclude the writing, editing, preparation of manuscript or reproducible copy of related illustrative materials if required as a part of this Grant, or incidental printing such as forms or materials necessary to be used by the Grantee to respond to the terms of the Grant. To satisfy the requirements of the Defense Technical Information Center, at least one copy of each technical report submitted to the Defense Technical Information Center must be black typing or reproduction of black on white paper or suitable for reproduction by photographic techniques. Reprints of published technical articles are not within the scope of this paragraph.

In accordance with Executive Order 12873, dated October 20, 1993, as amended by Executive Order 12995, dated March 25, 1996, the Grantee is encouraged to submit paper documents, such as letters or reports, that are printed/copied double-sided on recycled paper that has at least 30 percent postconsumer material.

30. **Public Release or Dissemination of Information (INSTRUCTIONS IN BOLD)**

(a) When drafting grants where it is anticipated that the research does NOT meet the definition of fundamental research, use the following language:

(1) At this time, DARPA expects the work performed under this grant will NOT be fundamental research, and it is, therefore, subject to the following publication restrictions:

There shall be no dissemination or publication, except within and between the Grantee and any subawardees, of information developed under this grant or contained in the reports to be furnished pursuant to this grant without prior written approval, which will be communicated to the Grantee by email through the DARPA Public Release Center (PRC) at PRC@darpa.mil. All technical reports will

be given proper review by appropriate authority to determine which Distribution Statement is to be applied prior to the initial distribution of these reports by the Grantee. These restrictions must be flowed down to all subawardees. Any publications shall incorporate an Acknowledgement of Support and Disclaimer in accordance with DFARs 252.235-7010.

- (2) When submitting material for written approval for open publication as described in subparagraph (a) above, the Grantee must submit a request for public release request to the PRC and include the following information: 1) Document Information: document title, document author, short plain-language description of technology discussed in the material (approx 30 words), number of pages (or minutes of video) and document type (briefing, report, abstract, article, or paper); 2) Event Information: event type (conference, principle investigator meeting, article or paper), event date, desired date for DARPA's approval; 3) DARPA Sponsor: DARPA Program Manager, DARPA office, and grant number; and 4) Grantee's Information: POC name, e-mail and phone. Allow four weeks for processing; due dates under four weeks require a justification. Unusual electronic file formats may require additional processing time. Requests can be sent either via e-mail to PRC@darpa.mil or via hard copy to 675 North Randolph Street, Arlington VA 22203, telephone (571) 218-4235. Refer to http://www.darpa.mil/NewsEvents/Public_Release_Center/Public_Release_Center.aspx for information about DARPA's public release process.

(b) When drafting grants where it is anticipated that the research WILL meet the definition of fundamental research, use the following language:

- (1) At this time, DARPA expects the work performed under this grant to be fundamental research, and it is, therefore, not subject to publication restrictions. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and requirements, pursuant to DoD Instruction 5230.27 dated October 6, 1987.
- (2) All papers resulting from this grant will include the following distribution statement:

"Approved for public release; distribution is unlimited."
- (3) Should the character of the research change during grant performance so that the research is no longer considered fundamental, the grant will be modified to impose the restrictions on public release and dissemination of information that apply to those research efforts that are not considered fundamental research.

(c) When drafting grants where it is anticipated that the research does NOT meet the definition of fundamental research, with the exception of the work to be performed by a University subawardee, use the following language:

- (1) With the exception of the work to be performed by University sub awardee as noted at subparagraph (3) below, DARPA expects the work performed under this award will **NOT** be fundamental research, and it is, therefore, subject to the following publication restrictions:

There shall be no dissemination or publication, except within and between the Grantee and any subawardees, of information developed under this grant or contained in the reports to be furnished pursuant to this grant without prior written approval, which will be communicated to the Grantee by email through the DARPA Public Release Center (PRC) at PRC@darpa.mil. All technical reports will be given proper review by appropriate authority to determine which Distribution Statement is to be applied prior to the initial distribution of these reports by the Grantee. These restrictions must be flowed down to all subawardees, with the exception of the subawardees listed in paragraph (3) of this clause. Any publications shall incorporate an Acknowledgement of Support and Disclaimer in accordance with DFARs 252.235-7010.

- (2) When submitting material for written approval for open publication as described in subparagraph (a) above, the Grantee must submit a request for public release request to the PRC and include the

following information: 1) Document Information: document title, document author, short plain-language description of technology discussed in the material (approx 30 words), number of pages (or minutes of video) and document type (briefing, report, abstract, article, or paper); 2) Event Information: event type (conference, principle investigator ^{meeting}, article or paper), event date, desired date for DARPA's approval; 3) DARPA Sponsor: DARPA Program Manager, DARPA office, and grant number; and 4) Grantee's Information: POC name, e-mail and phone. Allow four weeks for processing; due dates under four weeks require a justification. Unusual electronic file formats may require additional processing time. Requests can be sent either via e-mail to PRC@darpa.mil or via hard copy to 3701 North Fairfax Drive, Arlington VA 22203-1714, telephone (571) 218-4235. Refer to http://www.darpa.mil/NewsEvents/Public_Release_Center/Public_Release_Center.aspx for information about DARPA's public release process.

- (3) At this time, DARPA expects the work performed under this grant by the below listed University subawardee(s) to be fundamental research, and it is, therefore, not subject to publication restrictions. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and requirements, pursuant to DoD Instruction 5230.27 dated October 6, 1987. Should the character of the research change during performance of this subaward so that the research is no longer considered fundamental, the prime grantee shall ensure that the subaward to the University subawardee listed below will be modified to impose the restrictions on public release and dissemination of information that apply to those research efforts that are not considered fundamental research.

Subawardee	Statement of Work Title and Date
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31. Acknowledgment of Sponsorship:

(a) The Grantee agrees that in the release of information relating to this Grant, such release shall include a statement to the effect that (1) the project or effort depicted was or is sponsored by the Defense Advanced Research Projects Agency, (2) the content of the information does not necessarily reflect the position or the policy of the Government, and (3) no official endorsement should be inferred.

(b) For the purpose of this article, information includes news releases, articles, manuscripts, brochures, advertisements, still and motion pictures, speeches, trade association proceedings, symposia, etc.

(c) Nothing in the foregoing shall affect compliance with the requirements of the clause entitled "Security."

32. Patent Rights: Patent rights are as specified in DoDGARs §32.36(b), citing 37 CFR 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements", which titles and sections are incorporated herein by reference. The "Standard patent rights clause" at 37 CFR 401.14 is modified at section (f) to include the additional requirements stated in 37 CFR 401.5(f)(1), (2) and (3).

All patent reports (interim and final) shall be submitted to the Administrative Grants Officer (AGO). All required reporting shall be accomplished using the i-Edison.gov reporting website (<http://s-edison.info.nih.gov/iEdison>). In the event the Grantee is unable to submit reports through i-Edison, the Grantee may utilize DD Form 882, Report of Inventions and Subcontracts, for submission of interim and final invention reports. The DD Form 882 and all invention disclosures shall be submitted to the AGO for proper disposition and forwarding to the Grants Officer.

33. Rights in Technical Data, Computer Software, and Copyright:

(a) Technical Data and Computer Software. Rights are as specified in DoDGARs §32.36(c) which is incorporated herein by reference.

(b) Copyright. Rights are as specified in DoDGARs §32.36(a) which is incorporated herein by reference.

34. Research Involving Recombinant DNA Molecules: Any Grantee performing research involving recombinant DNA molecules and/or organism and viruses containing recombinant DNA molecules agrees, by acceptance of this award, to comply with the National Institutes of Health "Guidelines for Research Involving Recombinant DNA Molecules," July 5, 1994 (59 FR 34496) as amended, or such later revision of those guidelines as may be published in the Federal Register.

35. Activities Abroad: The Grantee shall assure that project activities carried on outside the United States are coordinated, as necessary, with appropriate Government authorities and that appropriate licenses, permits, or approvals are obtained prior to undertaking proposed activities. The awarding agency does not assume responsibility for Grantee compliance with the laws and regulations of the country in which the activity(ies) is (are) to be conducted.

36. Drug-Free Requirements: This Grant is subject to the requirements of the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989.

37. National Historic Preservation: The recipient agrees to identify to the Government any property listed or eligible for listing on the National Register of Historic Places that will be affected by this award, and to provide any help the Government may need, with respect to this award, to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470, et seq.).

38. Security: The Grantee may not be granted access to classified information under this Grant. If security restrictions should happen to apply to certain aspects of the proposed research, the Grantee will be so informed. In the event that the scientific work under this Grant may need classification, or involve access to or storage of any classified data, the Government shall make its decision on the need to classify, or require such access or storage, within 30 days after receipt of written notice from the Grantee. If the decision is affirmative, the Government shall invoke the clause in DoDGARs §32.61 entitled "Termination".

39. Debarment and Suspension: This Grant is subject to the requirements regarding debarment and suspension in 2 CFR Part 1125, which implements E. O. 12549 [3CFR, 1986 Comp., p189]; E.O. 12689 [3 CFR, 1989 Comp., p 235]; and Sec. 2455 of Federal Acquisition and Streamlining Act of 1994 (Pub. L. 103-355). This includes communicating the requirement to comply with Title 2 to persons at the next lower tier.

40. Human Trafficking: This Grant is subject to the requirements of section 106 (g) of the Trafficking Victims Protection Act of 2000 (22 U.S.C. 7104, as implemented by 2 CFR 175)). If the Grantee or any subgrantee (i) engages in severe forms of trafficking in persons or has procured a commercial sex act during that the period of time of the grant, contract or cooperative agreement is in effect or (ii) uses forced labor in the performance of the grant, contract, or cooperative agreement, the Government shall be authorized to terminate the grant, contract or cooperative agreement without penalty.

41. Facilities and Administration Costs Under Assistance Awards: The Grantee must complete the optional fields 11.a. through 11.f, "Indirect Expense," on the final Federal Financial Report (FFR, or Standard Form 425) that the Grantee submits after the end of the project period under this award.

42. Reporting Subawards and Executive Compensation: The Grantee shall report on first-tier subawards and executive compensation in accordance with the Federal Funding Accountability and Transparency Act (FFATA) of 2006 and associated 2008 amendments. Reporting is required for grants equal to or over \$25,000. If the initial award is below \$25,000 but subsequent grant modifications result in a total award equal to or over \$25,000, the award will be subject to the reporting requirements, as of the date the award exceeds \$25,000. If the initial award equals or exceeds \$25,000 but funding is subsequently deobligated such that the total award amount falls below \$25,000, the award continues to be subject to the reporting requirements of FFATA. The Grantee shall report the information as per the instructions at www.ftrs.gov.

43. System for Award Management and Universal Identifier Requirements

Grantee and first-tier subrecipients shall have Dun and Bradstreet Data Universal Numbering System Numbers (DUNS) and maintain current registrations in the Central Contractor Registration data base.

(a) Requirement for System for Award Management Registration (SAM)

Unless you are exempted from this requirement under 2 CFR 25.110, you as the recipient must maintain the currency of your information in the SAM until you submit the final financial report required under this award or receive the final payment, whichever is later. This requires that you review and update the information at least annually after the initial registration, and more frequently if required by changes in your information or another award term.

(b) Requirement for Data Universal Numbering System (DUNS) numbers. If you are authorized to make subawards under this award, you:

- (1) Must notify potential subrecipients that no entity (see definition in paragraph C of this award term) may receive a subaward from you unless the entity has provided its DUNS number to you.
- (2) May not make a subaward to an entity unless the entity has provided its DUNS number to you.